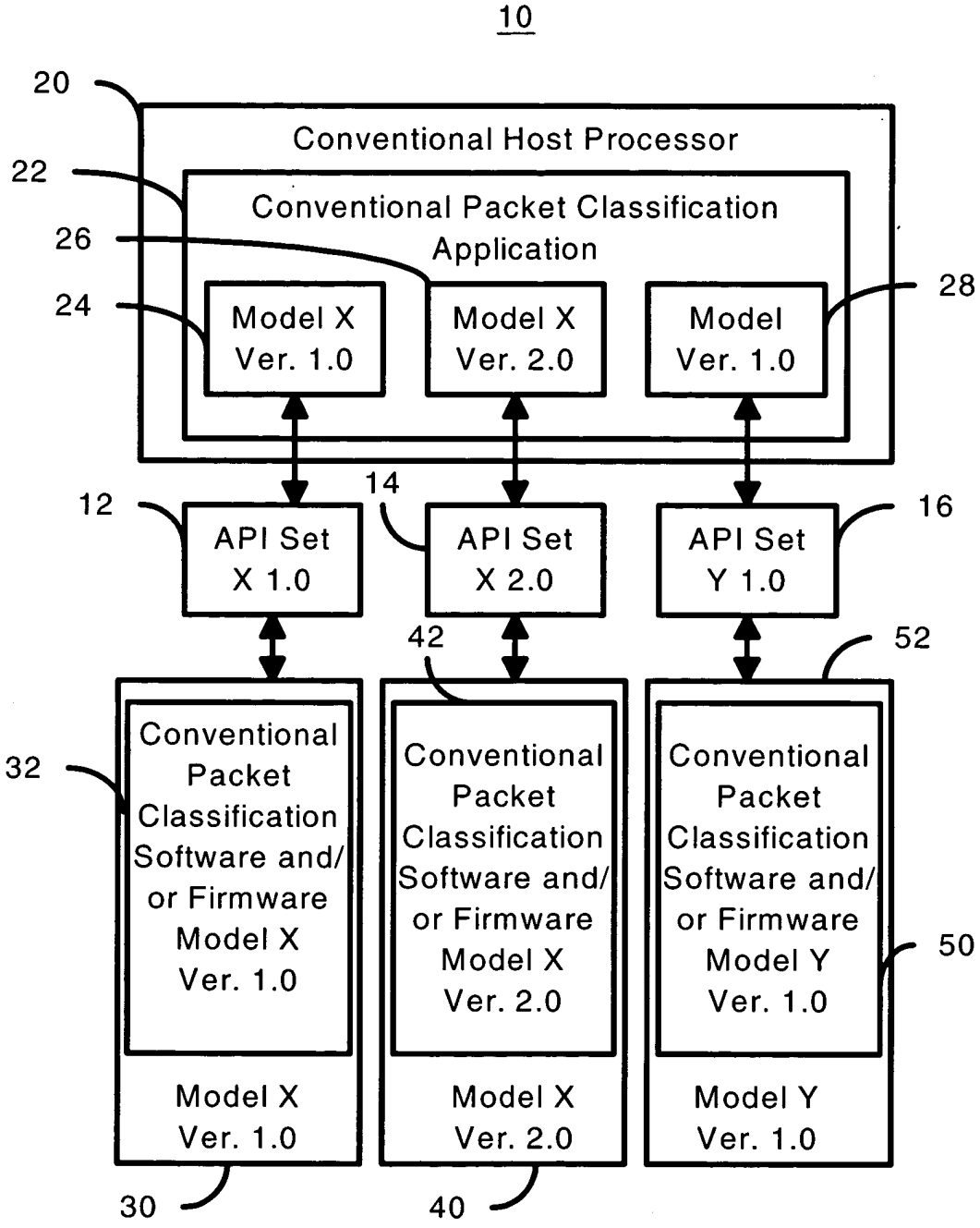
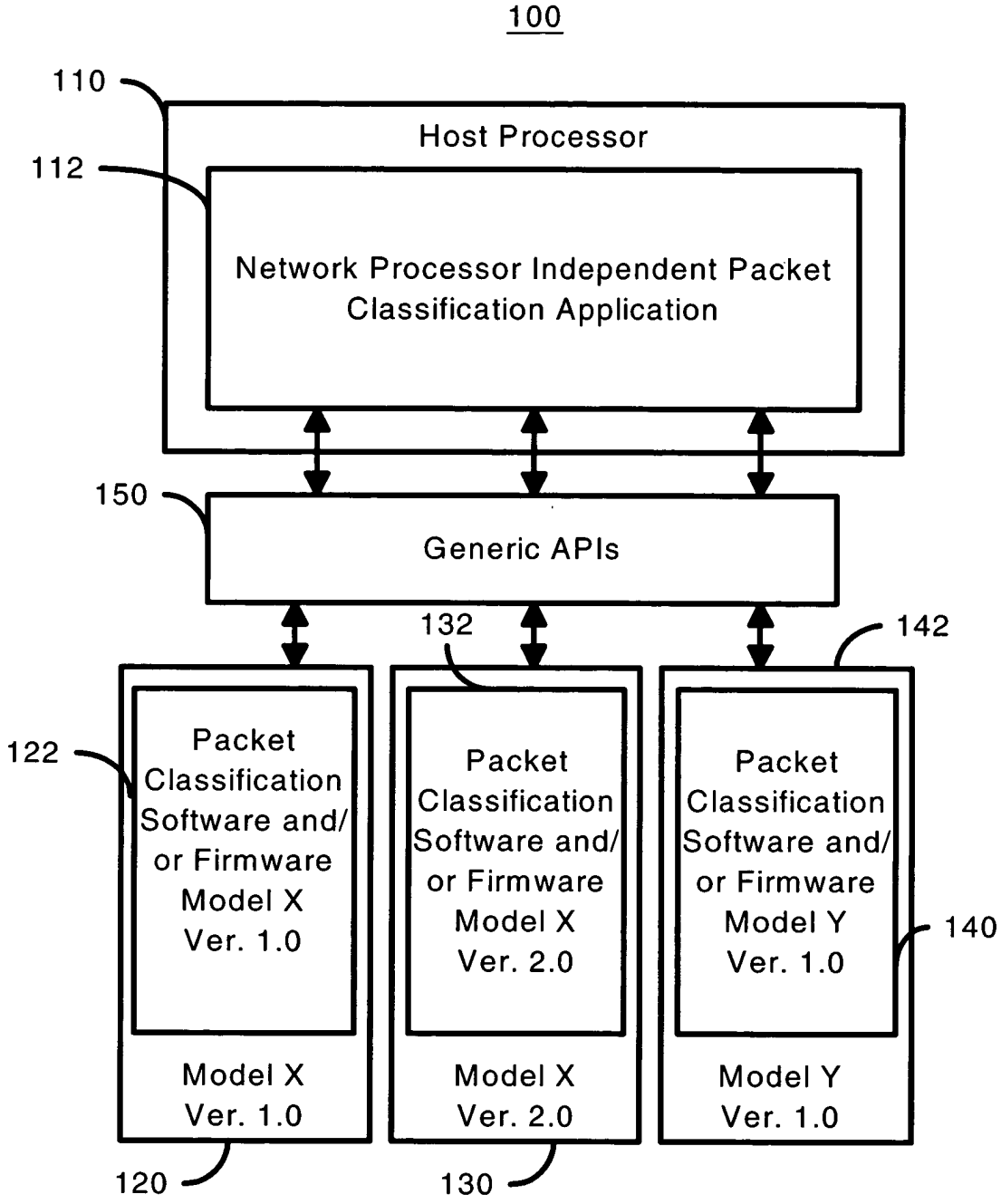


Prior Art
Figure 1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110
Host Processor
112
Network Processor Independent Packet Classification Application
150
Generic APIs
132
142
122
Packet Classification Software and/ or Firmware Model X Ver. 1.0
Packet Classification Software and/ or Firmware Model X Ver. 2.0
Packet Classification Software and/ or Firmware Model Y Ver. 1.0
140
Model X Ver. 1.0
Model X Ver. 2.0
Model Y Ver. 1.0
120
130

Figure 2

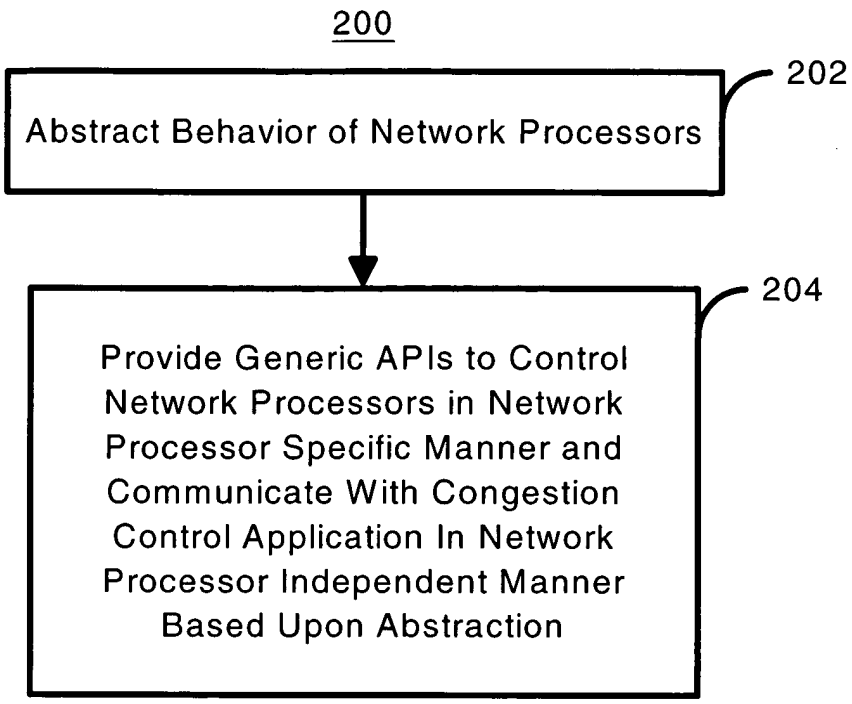
200
Abstract Behavior of Network Processors
202
Provide Generic APIs to Control Network Processors in Network Processor Specific Manner and Communicate With Congestion Control Application In Network Processor Independent Manner Based Upon Abstraction
204

Figure 3

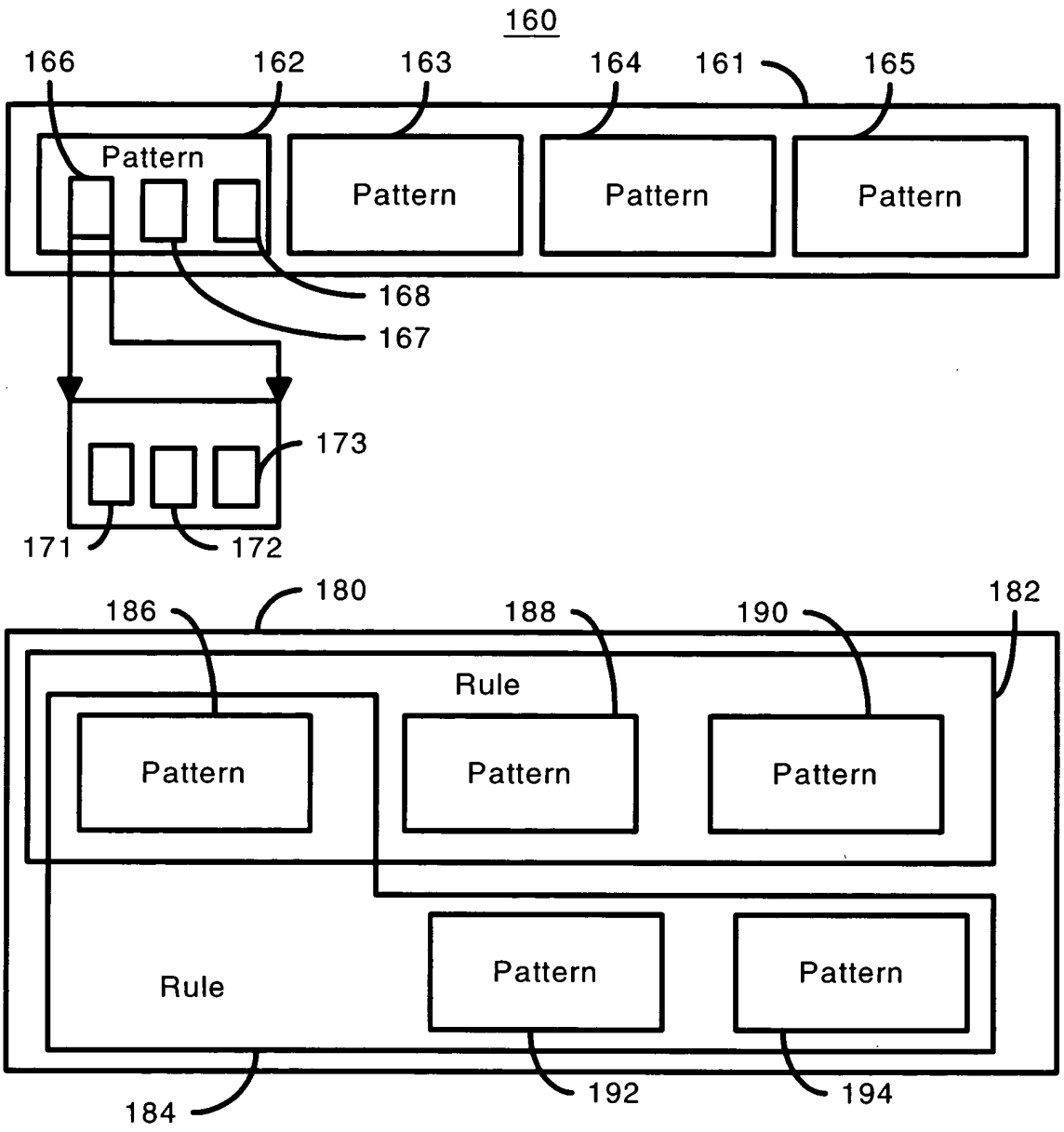
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Figure 4

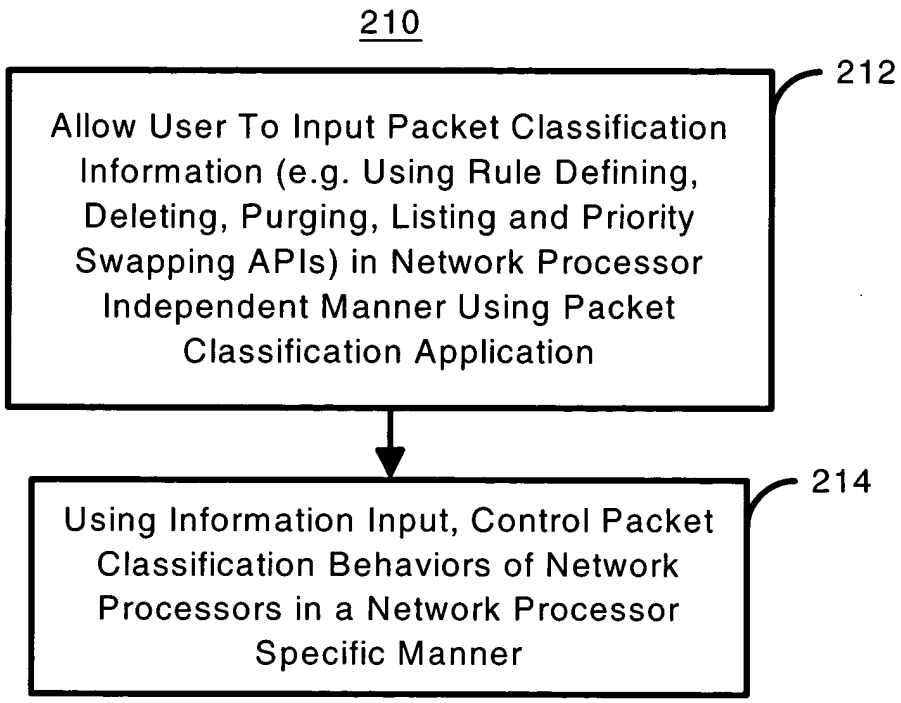
210
Allow User To Input Packet Classification Information (e.g. Using Rule Defining, Deleting, Purging, Listing and Priority Swapping APIs) in Network Processor Independent Manner Using Packet Classification Application
212
Using Information Input, Control Packet Classification Behaviors of Network Processors in a Network Processor Specific Manner
214

Figure 5